

# Build Interest in a Specific Discipline - Mathematics

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## Allies in Teaching Mathematics and Technology

Rutgers, The State University of New Jersey - Newark campus

NJ Higher Education Sector: Public Research University

Year Began: 2000

### CONTACT INFORMATION

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Partners: Newark public schools, Essex County Vocational and Technical Schools

### DESCRIPTION

The primary goal of this project is to provide access to powerful mathematical ideas for all students by: Helping teachers to create classroom environments in which students can build concepts and skills as they engage in meaningful, compelling, and challenging problem-solving explorations; Helping teachers to become more comfortable with new materials, standards-based curricula, and teaching strategies that introduce new technologies; Helping students gain knowledge and skills as they work on complex, problem-solving activities; Expanding the numbers of students who are mathematically literate, confident, and able to succeed in mathematically challenging courses; Allowing undergraduate students at Rutgers-Newark to provide direct support in the schools to both teachers and students.

Rutgers University faculty, staff, and undergraduate students work with teachers and students in the Newark Public Schools to accomplish the goals listed above throughout the school year and during summer sessions.

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